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\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$	EEEEEEEEEE EEEEEEEEEE	11	
11		\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$ \$\$ \$\$ \$\$	
		SSSSSS	
		\$\$ \$\$ \$\$ \$\$\$ \$\$\$\$\$\$\$\$\$	

\*\*FILE\*\*ID\*\*SETMISC

MODULE setmisc ( IDENT = 'V04-000', ADDRESSING\_MODE (EXTERNAL = GENERAL, NONEXTERNAL=LONG\_RELATIVE)

BEGIN

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FACILITY: SETPRO Command

ABSTRACT:

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:

This module sets various parameters in the system.

**ENVIRONMENT:** 

VAX/VMS operating system. Privileged user mode.

AUTHOR: Gerry Smith

12-Jan-1983

Modified by:

V03-010 AEW0001 Anne E. Warner 24-Jul-1984
Add a check to see if the qualifier is present before getting the value to the following qualifiers:

/INTERACTIVE in SET\$LOGINS

/BLOCK\_COUNT in SET\$RMS\_DEFAULT

/BUFFER\_COUNT in SET\$RMS\_DEFAULT

/PROLOGUE in SET\$RMS\_DEFAULT

/EXTEND\_QUANTITY in SET\$RMS\_DEFAULT

/NETWORK\_BLOCK\_COUNT in SET\$RMS\_DEFAULT

This check is insure correct behavior with negated qualifiers

V03-009 DAS0001 David Solomon 09-Jul-1984 Fix truncation errors; make nonexternal refs LONG\_RELATIVE.

SETMISC VO4-000			M 10 16-Sep-1984 00:43:54 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:09:11 ECLIUTL.SRCJSETMISC.B32:1
58 0056 59 0059 60 0066		03-008	RAS0281 Ron Schaefer 27-Mar-1984 . Add Network Block Count to SET/RMS command.
58 0056 59 0056 60 0066 61 0066 62 0066 63 0066 64 0066 65 0066 66 0066		03-007	MCN0155 Maria del C. Nasr 01-Mar-1984 The disallow flag offset in the PCB is from the beginning of the structure, and not a status flag. This will fix the behavior of the /ADJUST qualifier.
			GASO172  Gerry Smith 25-Aug-1983 When enabling logins, use a symbolic, UCB\$V_TT_NOLOGINS, instead of dead-reckoning.
68 0066 69 0069 70 0070 71 0071 72 0077 73 0077 74 0077 75 0077	V	03-005	GAS0158 Gerry Smith 25-Jul-1983 for SET LOGIN/INTER=0, do not disable the creation of interactive jobs.
75 007 76 007 77 007		03-004	GASO134 Gerry Smith 17-May-1983 for SET WORKING_SET, use twice the number of fluid pages, rather than one.
78 0078 79 0079 80 0080	1 1 v	03-003	GASO112 Gerry Smith 29-Mar-1983 Remove all references to the old CLI interface.
81 0081 82 0082 83 0083 84 0084 85 0086 86 0086	v	03-002	GASO111  Gerry Smith 9-Mar-1983  Fix the output of SET LOGIN. Also calculate a better minimum working set to use as a limit in SET WORKING_SET.
86 0086 87 0087 88 0088 89 0089 90 0090	v		GASO110  Gerry Smith 28-Feb-1983  Fix a couple of bugs with SET RMS and SET WORKING_SET,  caused by incorrectly computing the new RMS limit, and the new working set parameters.

```
N 10
16-Sep-1984 00:43:54
14-Sep-1984 12:09:11
SETMISC
VO4-000
                                                                                                                                                                                               VAX-11 Bliss-32 V4.0-742
[CLIUTL.SRC]SETMISC.832;1
      99999999901234567890112345678901234567890123113334567890123
                                  Include files
                                                    LIBRARY 'SYS$LIBRARY:LIB';
                                                                                                                                           ! VAX/VMS common definitions
                                                        Define the bit offsets for the SET DAY qualifier flags byte.
                                                    MACRO
                                                            set$v_primary =
set$v_secondary =
set$v_default =
                                                                                                   000
                                                        Define the bits for the SET RMS command
                                                    MACRO
                                                            RO
set$v_system = 0, 2,
set$v_block = 0, 3,
set$v_buffer = 0, 4,
set$v_prolog = 0, 5,
set$v_disk = 0, 6,
set$v_tape = 0, 7,
set$v_unit = 0, 8,
set$v_seq = 0, 9,
set$v_rel = 0,10,
set$v_index = 0,11,
set$v_hash = 0,12,
set$v_extend = 0,13,
set$v_netblk = 0,14,
                                                                                                                                                                 /SYSTEM
                                                                                                                 OX.
OX.
OX.
OX.
                                                                                                                                                                Block count specified
Buffer count specified
Prologue level specified
                                                                                                          /MAGTAPE
/UNIT_RECORD
/SEQUENTIAL
/RELATIVE
/INDEXED
                                                                                                                                                                /HASHED (maybe someday)
/EXTEND QUANTITY
/NETWORK Block Count
                                                        Define some bits for the SET WORKING_SET command
                                                    MACRO
                                                            set$v_log = 0,
set$v_explog = 0,
set$v_limit = 0,
set$v_quota = 0,
set$v_extent = 0,
set$v_expadj = 0,
set$v_adjust = 0,
                                                                                                                 01.
01.
01.
01.
                                                                                                                                                                /[NO]LOG set explicitly
                                                                                                          1.
                                                                                                                                                                 /LIMIT
                                                                                                                                                                 /QUOTA
                                                                                                                                                                /EXTENT
/[NO]ADJUST set explicitly
/[NO]ADJUST
                                                         Declare some shared messages
                                                                                       (SET,119,LOCAL,
(confqual,
(inyquaval,
                                                    $SHR_MSGDEF
                                                                                                                          error),
                                                                                                                          error);
                                                                                        (valerr.
```

(2)

```
16-Sep-1984 00:43:54
14-Sep-1984 12:09:11
SETMISC
VO4-000
                                                                                                                                                                                                                                                    VAX-11 Bliss-32 V4.0-742 [CLIUTL.SRC]SETMISC.B32:1
        1447890123456789012345678901
1447890123456789012345678901
14777777777890123456789012945678901
14777777777778901234889012345678901
                                            001447890123456789010166678901777890188890199345678901997
                                                                        Table of contents
                                                                  FORWARD ROUTINE
                                                                                                                                                                                     Set the day primary or secondary
Kernel mode routine to set the day
Set the number of interactive users
Kernel mode routine to set logins
Set the various RMS defaults
Kernel mode routine to set RMS
Set the working set parameters
Kernel mode routine to set working set
                                                                             set$day : NOVALUE, setdaykni,
                                                                             set$login : NOVALUE,
setlogkni,
set$rms_default : NOVALUE,
setrmskni,
                                                                             setSworking_set : NOVALUE,
                                                                             setwrkknl;
                                                                       External routines
                                                                 EXTERNAL ROUTINE
                                                                                                                                                                                      Convert ASCII to binary
                                                                             clisget_value.
                                                                                                                                                                                  Get value from CLI
See if qualifier is present
                                                                             clispresent:
                                                                       External references
                                                                 EXTERNAL

exeSgl_flags : $BBLOCK,

ctl$gl_pcb,

ctl$gl_phd,

ctl$gq_procpriv : $BBLOCK,

sys$gl_jobctlmb : $BBLOCK,

sys$gw_ijobcnt : WORD,

sys$gw_ijoblim : WORD,
                                                                                                                                                           ! The general system flagword ! Address of this process's PCB
                                                                                                                                                                                      Process-mapped PHD
                                                                                                                                                                                      Process privilege mask
                                                                                                                                                                                       Job controller mailbox
                                                                                                                                                                                      Number of current interactive jobs
Interactive job limit
Multiblock counts
                                                                             sys$gb_dfmbc : BYTE,
pio$gb_dfmbc : BYTE,
sys$gb_dfnbc : BYTE,
pio$gb_dfnbc : BYTE,
                                                                                                                                                                                       (system)
                                                                                                                                                                                       (process)
                                                                                                                                                                                       (system) Network
                                                                                                                                                                                       (process)
                                                                                                                                                                                      Prologue levels
                                                                             sys$gb_rmsprolog : BYTE,
pio$gb_rmsprolog : BYTE,
                                                                                                                                                                                       (system)
                                                                                                                                                                                       (process)
                                                                                                                                                                                      Default extend quantities
                                                                             sys$gw_rmsextend : WORD,
                                                                                                                                                                                    (system)
(process)
Multibuffer counts
Disk (system)
Tape (system)
Unit_record (system)
Indexed files (system)
Hashed files (system)
Relative files (system)
Disk (process)
Tape (process)
Unit_record (process)
Indexed files (process)
Hashed files (process)
Relative files (process)
                                                                                                                                                                                       (system)
                                                                             pioSgw_rmsextend : WORD,
                                                                            sys$gb_dfmbfsdk : BYTE,
sys$gb_dfmbfsmt : BYTE,
sys$gb_dfmbfsur : BYTE,
sys$gb_dfmbfidx : BYTE,
sys$gb_dfmbfidx : BYTE,
sys$gb_dfmbfhsh : BYTE,
pio$gb_dfmbfsdk : BYTE,
pio$gb_dfmbfsmt : BYTE,
pio$gb_dfmbfsur : BYTE,
pio$gb_dfmbfidx : BYTE,
pio$gb_dfmbfhsh : BYTE,
pio$gb_dfmbfhsh : BYTE,
pio$gb_dfmbfhsh : BYTE,
                                            0198
```

SETMISC VO4-000		C 11 16-Sep-1984 00:43:54 14-Sep-1984 12:09:11	VAX-11 Bliss-32 V4.0-742 CCLIUTL.SRCJSETMISC.B32;1
202 203 204 205 206 207 208 209 210 211	0200 1 0201 1 0202 1 Declare literals defined elsewher 0203 1 0204 1 EXTERNAL LITERAL 0205 1 exe\$v_explicitp, 0206 1 exe\$v_explicits, 0207 1 clis_absent, 0208 1 set\$_newlims, 0209 1 set\$_intset;	! Flags to show whethe ! secondary or primary ! CLI flag saving qual	r the day is ifier absent e for SET WORKING_SET e for SET LOGIN

```
D 11
16-Sep-1984 00:43:54
14-Sep-1984 12:09:11
 SETMISC
VO4-000
                                                                                                                                               VAX-11 Bliss-32 V4.0-742 [CLIUTL.SRC]SETMISC.B32:1
                                       GLOBAL ROUTINE set$day : NOVALUE = BEGIN !++
     0212
0213
0214
0215
0216
0217
                                          functional description
                                                    This is the routine for the SET DAY command. It is called from the SET command processor, and sets the day to be either primary or secondary, or sets it back to its default.
                                          Inputs
                                                    None
                                           Outputs
                                                    None
                                       LOCAL
                                             status,
argist : VECTOR[2],
flags : $BBLOCK[1]
                                                                                                           Status return
Argument list for $CMKRNL
                                                                                                           flags byte,
originally zero
                                                           INITIAL (BYTE (0));
                                          find out what the day is supposed to be set to.
                                       flags[set$v_secondary] = cli$present(%ASCID 'SECONDARY');
flags[set$v_primary] = cli$present(%ASCID 'PRIMARY');
flags[set$v_default] = cli$present(%ASCID 'DEFAULT');
                                          See if the user has the OPER privilege. If not, signal an error.
                                       IF NOT .ctl$gq_procpriv[prv$v_oper]
THEN SIGNAL_STOP(ss$_nooper);
                                                                                                                     ! User must have OPER priv.
                                          Change mode to kernel and set the day.
                                       arglst[0] = 1;
arglst[1] = flags;
IF NOT (status = $CMKRNL(ROUTIN = setdayknl,
                                                                                ARGLST = arg(st))
                                       THEN SIGNAL_STOP(.status);
                                       RETURN 1;
                                       END:
                                                                                                                        .TITLE
                                                                                                                                     SETMISC
\V04-000\
                                                                                                                         .PSECT
                                                                                                                                    $PLIT$, NOWRT, NOEXE, 2
```

00 00 00 59 52 41 44 4E 4F 43 45 53 00000 P.AAB: 010E0009 0000C P.AAA: .ASCII \SECONDARY\<0><0><0> .LONG 17694729

.LONG 1/694/29 .ADDRESS P.AAB . . . .

SETMISC VO4-000	E 11 16-Sep-1984 00:43:54 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:09:11 [CLIUTL.SRC]SETMISC.B32:1	Page 7
	00 59 52 41 4D 49 52 50 00014 P.AAD: .ASCII \PRIMARY\<0> 010E0007 0001C P.AAC: .LONG 17694727 00000000 00020 .ADDRESS P.AAD	:
	010E0007 0002C P.AAE: .LONG 17694727	
	EXTRN LIBSCYT DTB, CLISGET VALUE EXTRN CLISPRESENT, EXESGL PHAGS EXTRN CTLSGQ PROCPRIV EXTRN SYSSGL JOBCTLMB EXTRN SYSSGM JJOBCHT, SYSSGM JJOBLIM EXTRN SYSSGB DFMBC, PLOSGB DFMBC EXTRN SYSSGB DFMBC, PLOSGB DFMBC EXTRN SYSSGB MSPROLOG EXTRN PLOSGB MSPROLOG EXTRN PLOSGB MSPROLOG EXTRN PLOSGB MSEXTEND EXTRN SYSSGB DFMBFSDK EXTRN SYSSGB DFMBFBSDR EXTRN PLOSGB DFMBFBSDR EXTRN EXESV EXPLICITS EXTRN EXESV EXPLICITS EXTRN EXESV EXPLICITS EXTRN EXESV EXPLICITS EXTRN STS INTSET, SYSSEMKRNL	
	11 acci acore violentive	
	54 000000006 00 9E 00002 MOVAB LIBSSTOP, R4 53 00000000 00 9E 00000 MOVAB LIBSSTOP, R4 552 000000000 00 9E 00010 MOVAB CLISPRESENT, R2 55E 000000000 00 9E 00010 MOVAB CLISPRESENT, R2 55E 000010 00010 MOVAB CLISPRESENT, R2 55E 000010 MOVAB CLISPRESENT 65E 000010 MOVAB CALLS #1, CLISPRESENT 65E 000010 MOVAB CLISPRESENT 65E 00001 FB 00016 67E 000010 MOVAB CLISPRESENT 67E 000010 MOVAB CLISPR	0211 0212 0237
6E	01 03 00 0001	0238
6E	10 A3 9F 00026 PUSHAB P.AAC 01 FB 00029 CALLS #1, CLISPRESENT 01 02 50 F0 0002C INSV R0, #2, #1, FLAGS 20 A3 9F 00031 PUSHAB P.AAE	0239
6E	20 A3 9F 00031 PUSHAB P.AAE 62 01 FB 00034 CALLS #1, CLISPRESENT 01 04 50 F0 00037 INSV R0, #4, #1, FLAGS 08 00000000G 00 02 E0 0003C BBS #2, CTLSGQ_PROCPRIV+2, 15	
	01 04 50 F0 00037 INSV R0. #4. #1, FLAGS 08 00000000 00 02 E0 0003C BBS #2, CTL\$GQ_PROCPRIV+2, 1\$ 7E 2894 8F 3C 00044 MOVZWL #10388, -(SP) 64 01 FB 00049 CALLS #1, LIB\$STOP 04 AE 01 D0 0004C 1\$: MOVL #1, ARGLST	0244 0245
	04 AE 01 DO 0004C 18: MOVL #1, ARGLST	: 0250

SETMISC VO4-000			F 11 16-Sep-1984 00:43:54 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:09:11 [CLIUTL.SRC]SETMISC.B32:1	Page 8
	08 00000000G	AE 000000000V 05	02 FB 0005D CALLS #2, SYS\$CMKRNL	0251 0253
		64	50 E8 00064 BLBS STATUS, 2\$ 50 DD 00067 PUSHL STATUS 01 FB 00069 CALLS #1, LIB\$STOP 04 0006C 2\$: RET	0254 0257

; Routine Size: 109 bytes, Routine Base: \$CODE\$ + 0000

```
ROUTINE setdaykni (flags) = BEGIN
0258
0259
0260
0261
0263
0264
0265
0266
0267
0268
              This routine executes in kernel mode, setting the longword EXESGL_FLAGS to signify what kind of day it is.
              Inputs:
                       fLAGS - address of the flags byte.
              Outputs:
                       None.
            MAP flags : REF $BBLOCK:
If the day is to be set primary, then turn off the EXPLICITP bit and turn on the EXPLICITS bit.
           iF .flags[set$v_primary]
            THEN
                 BEGIN
                 exeSgl_flags[0, exeSv_explicitp, 1, 0] = 0;
exeSgl_flags[0, exeSv_explicits, 1, 0] = 1;
              If not primary, check to see if the day should be set secondary.
           ELSE
                BEGIN
If .flags[set$v_secondary]
THEN
                       BEGIN
                       exeSgl_flags[0, exeSv_explicitp, 1, 0] = 1;
exeSgl_flags[0, exeSv_explicits, 1, 0] = 1;
              If set to be /DEFAULT, then do it.
                 ELSE
                       BEGIN
                       If .flags[set$v_default]
THEN exe$gl_flags[0, exe$v_explicitp, 1, 0] = 0;
                       END:
                 END:
           RETURN 1;
END;
```

SETM1SC V04-000						1	H 11 5-Sep- 4-Sep-	1984 00:4 1984 12:0	3:54 VAX-11 Blis 9:11 [CLIUTL.SRC	s-32 v4.0-742 JSETMISC.B32;1	Page 10 (5)
	06 08 06 00 00 08	04 04 04	53 000000006 52 000000006 BC 62 000000006 BC 62 000000006	800 002 509 539 003 536 004 501	000C 09E151 112221 1150 04	00000 00002 00009 00010 00015 00019 00020 00024 00026 00033 00037	18: 28: 38: 48:	MOVL MOVAB BBC BBCC BRB BBC BBSS BBSS BBSS BBSS B	Save R2,R3 MEXESV_EXPLICITP, EXESGL_FLAGS, R2 M2. af[AGS, 1s] R3. EXESGL_FLAGS, 25 M3. aflags, 3s R3. EXESGL_FLAGS, MEXESV_EXP[ICITS, 45 M4. aflags, 4s R3. EXESGL_FLAGS, M1, R0	28 EXESGL_FLAGS, 48	0258 0279 0282 0283 0291 0294 0295 0291 0303 0304 0308

; Routine Size: 59 bytes. Routine Base: \$CODE\$ + 006D

```
GLOBAL ROUTINE set$login : NOVALUE =
            This routine sets the number of interactive logins permitted.
            Inputs:
                    None. The CLI is interrogated for the number.
            Outputs:
                    None.
          LOCAL
                                                             General status return
Number of users
Argument list for $CMKRNL call
               status.
               number,
               argist : VECTOR[2],
desc : $BBLOCK[dsc$c_s_bin];
                                                              Descriptor to get number
            If the user doesn't have OPER, don't allow the operation.
          If NOT .ctl$gg_procpriv[prv$v_oper]
THEN SIGNAL_STOP(ss$_nooper);
            Get the number of users.
          $init_dyndesc(desc);
If cli$present(%ASCID 'INTERACTIVE')
                                                            ! Make the descriptor dynamic
              clisget_value(%ASCID 'INTERACTIVE', ! Get the number
                                desc):
            If the number is non-zero, go set it.
          if .desc[dsc$w_length] NEQ 0
THEN
               number))
               THEN
                    BEGIN
0358
0359
0360
                    SIGNAL (set$_valerr);
                    RETURN:
              END;

argist[0] = 1;

argist[1] = .number;

IF NOT (status = $CMKRNL(ROUTIN = setlogknl,

APGIST = argist))
0361
0362
0363
0364
0365
0366
                                              ARGLST = argist))
               THEN
                    BEGIN
```

SETMISC V04-000 372 373 374 375 376 377 378 379 380 381 382 383		036 036 037 037 037 037 037 037	7 2	ŠIG	NAL (	RET END	urn;	s f		then			IAL to	output t	84 00:43 84 12:09 the current jobcnt);	ent inte	VAX-11 Bliss-32 V4.0-742 ECLIUTL.SRCJSETMISC.B32;1	Page 12 (6)
															.PSECT	\$PLITS	B, NOURT, NOEXE, 2	
	00	45	56	49	54	43	41	52	45	540	4E 10E00	49 0B	00034	P.AAH: P.AAG:	.ASCII	\INTER	RACTIVE\<0>	
	00	45	56	49	54	43	41	52	45	5400	10E00 00000 4E 10E00	00°	00044 00048 00054 00058	P.AAG: P.AAJ: P.AAI:	.ADDRESS .ASCII .LONG .ADDRESS	INTER 176947	RACTIVE\<0>	
															.PSECT	\$CODE!	B, NOURT, 2	
				00	000	00000	06 06	5E 00 7E 00 AE	00000 2 020E0 00000	2894 0000 08 0000	00 102 8F 01 8F 01 8F 01 00	09CE3FD09FB9FB53DDCBD100FF	00002 00009 0000C 00014	18:	ENTRY MOVAB SUBLZ BBS MOVZWL CALLS MOVL CLRL PUSHAB CALLS BLBC PUSHAB PUSHAB CALLS TSTW BEQL PUSHL MOVZWL CALLS MOVL BLBS PUSHL	#20, 11 #10388 #1	OGIN, Save R2,R3 IGNAL, R3 ISPAL, R3 IL\$GQ PROCPRIV+2, 1\$ IL\$GQ PROCPRIV	0310 0334 0335 0340 0341 0343 0350 0353 0354
									00771	1EA	52 8F 20	E 8 DD	00065 00066 0006C		BLBS PUSHL BRB	\$7ÅTUS #78033	38	0358
						0	0	AE	00000	00	6E	D0 D0 9F	0006E 00072 00076	38:	BRB MOVL MOVL PUSHAB PUSHAB CALLS	NT, AR NUMBER ARGLS1	RGLST R, ARGLST+4 I SKNL YS\$CMKRNL	0361 0362 0364
					000	00000	06	00	00000	0000V	O2	9F F8	00079 0007F		PUSHAB CALLS	SETLOG	SKNL /S\$CMKRNL	0

SETMISC VO4-000				16-Se 14-Se	p-1984 00:43 p-1984 12:09	:54	VAX-11 Bliss-32 V4.0-742 [CLJUTL.SRC]SETMISC.B32;1	Page 13 (6)
	52 63 7E 000000006 7E 000000006 000000006	50250 0000 0000 0000 0000 0000 0000 000	D8084000084	00086 00086 00086 00091 00092 00099 000A0 000A2 000A8	MOVL BLBS PUSHL CALLS RET MOVZWL MOVZWL PUSHL PUSHL CALLS RET	\$YS!	STATUS TUS, 5\$ TUS US LIB\$SIGNAL  \$GW_IJOBCNT, -(SP) \$GW_IJOBLIM, -(SP)  T\$ INTSET LIB\$SIGNAL	0367 0366 0376

; Routine Size: 172 bytes, Routine Base: \$CODE\$ + 00A

SETMISC VO4-000	L 11 16-Sep-1984 00:43:54 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:09:11 [CLIUTL.SRC]SETMISC.B32:1	Page 14
385 386 387	0379 1 ROUTINE setlogknl (number) = 0380 2 BEGIN 0381 2 !++ 0382 2 ! 0383 2 ! This routine is called in kernel mode to set the number of interactive	
389 390	0383 2 This routine is called in kernel mode to set the number of interactive processes.	
392 393	0386 2 Inputs: 0387 2 NUMBER - address of the limit to set.	
385 386 3887 3889 3899 3899 3899 3899 401 3899 401 408 407 408 409 411 411 411 411 411	Disputs:   Number - address of the limit to set.	
400 401 403	0394 2   Set the job limit.	
403	0397	
406 407	0400 2 If the limit is non-zero, turn on interactive jobs. This is done by 0401 2 clearing the high bit of the job controller mailbox status word.	
409	0403 2 IF .number NEQ 0 ! If at least one allowed to login, 0404 2 THEN sys\$gl_jobctlmb[ucb\$v_tt_nologins] = 0; ! enable interactive prompts.	
	0405 2 0406 2 RETURN 1: 0407 1 END:	

			0000	00000	SETLOGKNL:	Save anthing	. 0770
0000000G	00	04	AC BO	00002 0000A	.WORD MOVW TSTL	Save nothing NUMBER, SYSSGW_IJOBLIM NUMBER	: 0379 : 0397 : 0403
00000000G	00 50	80	08 13 8f 8A 01 00	0000D 0000F 00017 0001A	TSTL BEQL BICB2 MOVL RET	#128, SYS\$GL_JOBCTLMB+105 #1, RO	0404 0406 0407

; Routine Size: 27 bytes, Routine Base: \$CODE\$ + 0154

Get the prologue level. If there, convert to a number.

if (flags[set\$v\_prolog] = cli\$present(%ASCID 'PROLOGUE'))

If cli\$get\_value(%ASCID 'PROLOGUE', desc)
THEN

```
devices, ie. disk, magtape, and unit_record.
! If /SEQUENTIAL,
                                                                                                                  ! turn them all on
                                      The SET RMS command defaults to /MAGTAPE/DISK/UNIT if no qualifiers are specified. Do that manually.
                                  if NOT (.flags[set$v_tape] OR
    .flags[set$v_disk] OR
    .flags[set$v_unit] OR
    .flags[set$v_index] OR
    .flags[set$v_rel])
THEN flags[set$v_disk] = flags[set$v_tape]
    = flags[set$v_unit]
                                                                                                                  ! If nothing turned on,
                                                                                                                     turn on disk, tape, and
                                                                                                                     unit record
                     0598
0599
0600
0601
0602
0603
0604
0605
0606
0607
0608
0611
0613
0614
0613
0614
0616
0623
0623
0623
0623
0623
0623
                                      If /SYSTEM was specified, check that the user has CMKRNL privilege.
                                      Otherwise, reject the request.
                                   If .flags[set$v_system]
                                   THEN
                                          IF NOT .ctl$gq_procpriv[prv$v_cmkrnl]
                                         THEN
                                                BEGIN
SIGNAL(ss$_nocmkrnl);
                                                RETURN:
                                                END:
                                         END:
                                      Build the argument list and call the kernel mode routine that will actually
                                      do what is requested.
                                  argist[0] = 6;
argist[1] = flags;
argist[2] = .block_count;
argist[3] = .buffer_count;
argist[4] = .prolog;
argist[5] = .extend;
argist[6] = .net_block_count;
IF NOT (status = $CMKRNL(ROUTIN = setrmsknl,
APGIST = argist))
                                                                            ARGLST = arglst))
                                   THEN SIGNAL (.status);
                                   RETURN;
                                  END:
```

SET VO4	#15C											D 12 16-Sep-1984 00:43:54 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:09:11 [CLIUTL.SRC]SETMISC.B32;1	Page 19 (8)
			00	54	48	55	46	43	5F	48	43	4F 4C 4Z 0005C P.AAL: .ASCII \BLOCK_COUNT\<0> 010E000B 00068 P.AAK: .LONG 17694731	•
			00	54	48	55	45	43	5F	48	43	00000000 0006C .ADDRESS P.AAL 4F 4C 42 00070 P.AAN: .ASCII \BLOCK_COUNT\<0> 010E000B 0007C P.AAM: .LONG 17694731	
43	5F	48	43	45	40	42	5f	48	52	4F	57	010E000B 0007C P.AAM: LONG 17694731 00000000 00080 .ADDRESS P.AAN 54 45 4E 00084 P.AAP: .ASCII \NETWORK_BLOCK_COUNT\<0> 4E 55 4F 00093	
43	SE	48	48	48	40	42	5F	48	52		57	010E0013 00098 P.AAO: .LONG 17694739 00000000 0009C .ADDRESS P.AAP	
73	•	40	43	4.	46	46	,,,	40	16	4F 00	54	54 45 4E 000A0 P.AAR: .ASCII \NETWORK_BLOCK_COUNT\<0> 4E 55 4F 000AF 010E0013 000B4 P.AAQ: .LONG 17694739	•
			54	48	55	45	43	SF	52	45	46	00000000 000B8 .ADDRESS P.AAR 46 55 42 000BC P.AAT: .ASCII \BUFFER COUNT\	
			54	48	55	45	43	5F	52	45	46	00000000 000CC .ADDRESS P.AAT	
							45	55	47	4F	40	00000000 000E0 .ADDRESS P.AAV 4F 52 50 000E4 P.AAX: .ASCII \PROLOGUE\	
							45	55	47	4F	40	010E0008 000EC P.AAW: .LONG 17694728 00000000 000F0 .ADDRESS P.AAX 4F 52 50 000F4 P.AAZ: .ASCII \PROLOGUE\ 010E0008 000FC P.AAY: .LONG 17694728	
59	54	49	54	4E	41	55	51	5F	44	4E	45	00000000° 00100 .ADDRESS P.AAZ 54 58 45 00104 P.ABB: .ASCII \EXTEND_QUANTITY\<0>	
59	54	49	54	4E	41	55	51	5F	44	4E	45	010E000F 00114 P.ABA: .LONG 17694735 00000000 00118 .ADDRESS P.ABB 54 58 45 0011C P.ABD: .ASCII \EXTEND_QUANTITY\<0>	
											4.0	010E000F 0012C P.ABC: .LONG 17694735 00000000 00130 .ADDRESS P.ABD	
											48	010E0004 00158 P.ABE: .LONG 1/694/24	
							00	44	45	58	45	44 4E 49 00140 P.ABH: .ASCII \INDEXED\<0> 010E0007 00148 P.ABG: .LONG 17694727	
							45	56	49	54	41	010E0008 00158 P.ABI: .LONG 17694728	
											48	010E0004 00164 P.ABK: .LONG 17694724	
							00	45	50	41	54	00000000° 00168 .ADDRESS P.ABL 47 41 40 0016C P.ABN: .ASCII \MAGTAPE\<0> 010E0007 00174 P.ABM: .LONG 17694727	
			00	44	52	45	43	45	52	5F	54	01060007 00174 P.ABM: .LONG 17694727 00000000 00178 .ADDRESS P.ABN 49 4E 55 0017C P.ABP: .ASCII \UNIT RECORD\<0> 0106000B 00188 P.ABO: .LONG 17694731	
							00	00	40	45	54	010E0008 00188 P.ABO: .LONG 17694731 00000000 0018C .ADDRESS P.ABP 53 59 53 00190 P.ABR: .ASCII \SYSTEM\<0><0> 010E0006 00198 P.ABQ: .LONG 17694726	
			00	00	40	41	49	54	4E	45	55	010E0006 00198 P.ABQ: .LONG 17694726 .ADDRESS P.ABR .ASCII \SEQUENTIAL\<0><0>	•

32	181	SC
36		3.5
VO	4-	200

## E 12 16-Sep-1984 00:43:54 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:09:11 (CLIUTL.SRCJSETMISC.B32;1

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010E000A 001AC P.ABS: .LONG 17694730 .ADDRESS P.ABT

			56 000000006	007C 00000 00 9E 00002	.PSECT .ENTRY MOVAB	SCODES, NOWRT, 2  SETSRMS_DEFAULT, Save R2, R3, R4, R5, R6 LIBSCYT_DTB, R6	0408
		30	56 000000006 55 000000006 54 000000006 53 00000000 5E AE 020E0000	00 9E 00009 00 9E 00010 EF 9E 00017 38 C2 0001E AE D4 00021 8F D0 00024	MOVAB MOVAB SUBL2 CLRL MOVL	SETSRMS DEFAULT, Save R2,R3,R4,R5,R6 LIBSCYT DTB, R6 CLISGET VALUE, R5 CLISPRESENT, R4 P.AAK, R3 #56, SP FLAGS #34471936, DESC	0409 0439
14	AE	01	64 03 28	53 DD 0002F 01 FB 00031	CLRL PUSHL CALLS INSV BLBC	DESC+4 R3 W1. CLISPRESENT RO. W3. W1. FLAGS RO. 18	0444
			30 14 15	AE 9F 0003D A3 9F 00040 02 FB 00043 50 E9 00046 5E DD 00049	BLBC PUSHAB PUSHAB CALLS BLBC PUSHL	RO. 18 DESC P.AAM #2. CLISGET_VALUE RO. 18	0446
			7E 38 38 66 52 75 8F	AE DD 0004B AE 3C 0004E 03 EB 00052	MOVZWL	DESC+4 DESC, -(SP) #3, LIB\$CVT_DTB R0, STATUS STATUS, 3\$	0449 0450 0449
		0000007F	75 8f	6E D1 0005B 77 14 00062 6E D5 00064	MOVL BLBC CMPL BGTR TSTL	STATUS, 38 BLOCK_COUNT, #127 48 BLOCK_COUNT 58	0457 0458
15	AE	01	30 64 06 2E	7D 19 00066 A3 9F 00068 1\$: 01 FB 0006B 50 F0 0006E 50 E9 00074 AE 9F 00077	BLSS PUSHAB CALLS INSV	P.AAO #1, CLI\$PRESENT RO. #6, #1, FLAGS+1	0468
			30 40 65 22	AE 9F 00077 A3 9F 0007A 02 FB 0007D 50 E9 00080	INSV BLBC PUSHAB PUSHAB CALLS BLBC	DESC	0470
			04 38	AE 9F 00083 AE DD 00086 AE 3C 00089 03 FB 0008D	BLBC PUSHAB PUSHL MOVZWL CALLS	P.AAQ #2. CLISGET_VALUE RO. 28 NET BLOCK_COUNT DESC+4 DESC, -(SP) #3. LIBSCVT_DTB RO. STATUS STATUS STATUS, 78 NET_BLOCK_COUNT, #127 48	0473 0474 0473
		0000007F	7E 38 66 52 7E 8F 04	50 D0 00090 52 E9 00093 AE D1 00096 38 14 0009E	MOVL BLBC CMPL BGTR TSTL	NET_BLOCK_COUNT, #127	0481 0482
14	AE	01	64 04 33	AE D5 000A0 40 19 000A3 A3 9F 000A5 28: 01 FB 000A8 50 FO 000AB	BLSS PUSHAB CALLS INSV BLBC PUSHAB	NET_BLOCK_COUNT 58 P.AAS #1, CLISPRESENT R0, #4, #1, FLAGS R0, 68	0493
			33	01 FB 000A8 50 F0 000AB 50 E9 000B1 AE 9F 000B4	BLBC PUSHAB	RO, 68 DESC	0495

SETMISC 104-000			f 12 16-Sep-1984 00:43:54 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:09:11 [CLIUTL.SRC]SETMISC.B32;1	Page 21
		65 27	A3 9F 000B7 PUSHAB P.AAU	•
		27	SO E9 000BD BLBC RO 68 AE 9F 000CO PUSHAB BUFFER COUNT	0498
		76 38	02	0498 0499 0498
		7E 38 66 52 41	50 DO 000CD MOVE RO. STATUS 52 E9 000DQ 38: BLBC STATUS, 7\$	
	0000007F	8F 08	AE D1 000D3 CMPL BUFFER_COUNT, #127 48 14 000DB 48: BGTR 88	0506
	FFFFFF81	8F 08	AE D1 000DD CMPL BUFFER_COUNT, #-127 7F 19 000E5 58: BLSS 108 C3 9F 000E7 68: PUSHAB P.AAW	0507
14 AE	01	0084 05 30	AE D1 000DD CMPL BUFFER_COUNT, #-127 7F 19 000E5 58: BLSS 108 C3 9F 000E7 68: PUSHAB P.AAW O1 FB 000EB CALLS #1, CLISPRESENT 50 F0 000EE INSV RO, #5, #1, FLAGS 50 E9 000F4 BLBC RO, 98 AE 9F 000F7 PUSHAB DESC C3 9F 000FA PUSHAB P.AAY O2 FB 000FE CALLS #2, CLISGET_VALUE 50 E9 00101 BLBC RO, 98 AE 9F 00104 PUSHAB PROLOG AE DD 00107 PUSHL DESC+4	0518
		30 0094	50 F0 000EE INSV RO, #5, #1, FLAGS 50 E9 000F4 BLBC RO, 9\$ AE 9F 000F7 PUSHAB DESC C3 9F 000FA PUSHAB P.AAY	0520
		65 23	AE 9F 000F7 PUSHAB DESC C3 9F 000FA PUSHAB P.AAY 02 FB 000FE CALLS #2. CLISGET_VALUE 50 E9 00101 BLBC RO, 98	
		00 38 7E 38	50 E9 00101 BLBC RO, 98 AE 9F 00104 PUSHAB PROLOG AE DD 00107 PUSHL DESC+4	0523 0524 0523
		7E 38	AE DD 00107 PUSHL DESC+4 AE 3C 0010A MOVZWL DESC, -(SP) 03 FB 0010E CALLS #3, LIB\$CVT_DTB 50 D0 00111 MOVL R0, STATUS	0523
		7E 38 66 52 4F 50 0C	01	0531
		02	0A 13 0011B BEQL 9\$ 50 D1 0011D CMPL RO, #2	0532
		03	05 13 00120 BEQL 9\$ 50 D1 00122 CMPL RO #3 3F 12 00125 B\$: BNEQ 10\$ C3 9F 00127 9\$: PUSHAB P.ABA	0533
16 AE	01	00AC	\$2	0544
15 AE	01	64 05 38	50 E9 00134 BLBC RO, 11\$	0546
		30 00C4	C3 9F 0013A PUSHAB P.ABC 02 FB 0013E CALLS #2. CLISGET_VALUE	. 0,40
		65 28	50 E9 00141 BLBC RO, 118 AE 9F 00144 PUSHAB EXTEND	0549
		7E 38	C3 9F 00127 9\$: PUSHAB P.ABA 01 FB 0012B	0549 0550 0549
		66 52 0F 8F 10	\$0 00 00151 MOVL RO. STATUS 52 E9 00154 BLBC STATUS, 10\$	
	0000FFF		AE D1 00157 CMPL EXTEND, #65535 05 14 0015F BGTR 10\$	0557
		10	AE D5 00161 TSTL EXTEND 09 18 00164 BGEQ 118 8F DD 00166 108: PUSHL #7803370	0558
		007711EA	DO 31 0016C RRW 15%	0561
15 AE	01	64 04	\$0 DO 00151	0569
17 ME	VI	00E0	50 FO 00176 INSV RO, #4, #1, FLAGS+1 C3 9F 0017C PUSHAB P.ABG	: 0570

SETM1SC V04-000					6 12 16-Sep-1984 00:43:54	Page 22 (8)
15	AE	01		64 03 00F0	01 FB 00180 CALLS #1. CLISPRESENT 50 F0 00183 INSV R0, #3, #1, FLAGS+1 C3 9F 00189 PUSHAB P.ABI 01 FB 0018D CALLS #1. CLISPRESENT	0571
15	AE	01		64 02 00FC	01 FB 0018D CALLS #1, CLISPRESENT 50 F0 00190 INSV RO, #2, #1, FLAGS+1	0572
14	AE	01		64 06 010C	C3 9F 00196 PUSHAB P.ABK 01 FB 0019A CALLS #1, CLISPRESENT 50 FO 0019D INSV RO, #6, #1, FLAGS C3 9F 001A3 PUSHAB P.ABM	0573
14	AE	01		64 07 0120	01 FB 001A7	0574
15	AE	01		00 0130	C3 9F 001B0 PUSHAB P.ABO 01 FB 001B4 CALLS #1, CLISPRESENT 50 FO 001B7 INSV RO. #0, #1, FLAGS+1 C3 9F 001BD PUSHAB P.ABQ	0575
14	AE	01		02 0144	C3 9F 001BD PUSHAB P.ABQ 01 FB 001C1 CALLS #1, CLISPRESENT 50 FO 001C4 INSV RO. #2, #1, FLAGS C3 9F 001CA PUSHAB P.ABS	0581
			14	64 06 AE 03C0	01 FB 001CE	0583 0591
		14	14	AE 10 15	8F A8 001D4 BISW2 #960, FLAGS+1 AE 95 001DA 128: TSTB FLAGS 19 19 001DD BLSS 138 06 E0 001DF BBS #6, FLAGS, 138 AE E8 001E4 BLBS FLAGS+1, 138 03 E0 001E8 BBS #3, FLAGS+1, 138	
		08 06	15 15 14 14	AE AE O1CO	AE E8 001E4 BLBS FLAGS+1, 13\$ 03 E0 001E8 BBS #3, FLAGS+1, 13\$ 02 E0 001ED BBS #2, FLAGS+1, 13\$	0594 0594 0595
		0E	14	AE 07 000000006 7E 2804	06 E0 001DF BBS #6, FLAGS, 13\$ AE E8 001E4 BLBS FLAGS+1, 13\$ 03 E0 001E8 BBS #3, FLAGS+1, 13\$ 02 E0 001ED BBS #2, FLAGS+1, 13\$ BF A8 001F2 BISW2 #448, FLAGS 02 E1 001F8 13\$: BBC #2, FLAGS, 14\$ 00 E8 001FD BLBS CTL\$GQ PROCPRIV, 14\$ 8F 3C 00204 MOVZWL #10244, -(SP)	0592 0593 0594 0595 0597 0604 0607
			20	AE 14 AE 08	06 DO 0020B 148: MOVL #6 ARGLST AE 9E 0020F MOVAB FLAGS, ARGLST+4	0619 0620
			30 SC	AE 08 AE 10 AE 04 18	AE 9F 00227 PUSHAB ARGEST	0621 0622 0624 0625 0627
			000000006	00000000v 52 09	02 FR 00230 CALLS #2. SYSSCMKRNI	
				00	50 D0 00237 MOVL RO, STATUS 52 E8 0023A BLBS STATUS, 16\$ 52 DD 0023D PUSHL STATUS 01 FB 0023F 15\$: CALLS #1, LIB\$SIGNAL 04 00246 16\$: RET	0628 0631

; Routine Size: 583 bytes, Routine Base: \$CODE\$ + 016F

```
VAX-11 Bliss-32 V4.0-742
[CLIUTL.SRC]SETMISC.B32;1
                            ROUTINE setrmsknl (flags, block_count, buffer_count, prolog, extend, net_block_count) =
06334567890123456789000066677890068845678900667789006888
                               This is the kernel mode routine that actually sets the RMS defaults
                               Inputs:
                                       FLAGS - address of flags longword
BLOCK_COUNT - address of block count
                                       BUFFER_COUNT - address of buffer count
PROLOG - address of prologue level
EXTEND - address of extend quantity
NET_BLOCK_COUNT - address of network block count
                               Outputs:
                                       None. The RMS defaults are reset accordingly.
                            MAP flags : REF $BBLOCK:
                               See whether the mods are for the system, or simply for this process.
                             IF .flags[set$v_system]
                                                                                  ! Make system mods
                                 BEGIN
                                 If .flags[set$v_block]
THEN
                                                                                  ! /BLOCK_COUNT
                                       sys$gb_dfmbc = .block_count;
                                  If .flags[set$v_netblk]
                                                                                  ! /NETWORK
                                       sys$gb_dfnbc = .net_block_count;
                                  IF .flags(set$v_buffer)
                                                                                  ! BUFFER_COUNT
                                  THEN
                                       BEGIN
IF . f
                                       IF .flags[set$v_disk] ! /DISK
THEN sys$gb_dfmbfsdk = .buffer_count; 
/MAGTAPE
678
679
680
681
682
683
684
685
686
691
693
693
695
696
                                      ! /UNIT_RECORD
                                       THEN sys$gb_dfmbfrel = .buffer_count;
                                      END;
.flags[set$v_prolog]
                                                                                  ! /PROLOG
                                  THEN sys$gb_rmsprolog = .prolog;
If .flags[set$v_extend]
                                                                                  ! /EXTEND
                                  THEN sysSgw_rmsextend = .extend;
```

```
SETMISC
VO4-000
   698
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717
718
719
729
730
731
                                 If not /SYSTEM, then it must be for the process.
                               ELSE
                                    BEGIN
IF .flags[set$v_block]
THEN
                                                                                   ! Make process mods
!/BLOCK_COUNT
                                   pio$gb_dfmbc = .block_count;
IF .flags[set$v_netblk]
THEN
                                                                                   ! /NETWORK
                                    END;

IF .flags[set$v_prolog]

THEN pio$gb_rmsprolog = .prolog;

If .flags[set$v_extend]
                                                                                   ! /PROLOG
                                                                                   ! /EXTEND
                                    THEN piosgw_rmsextend = .extend;
                                    END:
                              RETURN 1;
END;
```

				000	00 00000	SETRMS	(NL:	Save pathing	0632
76		50	04	AC I	200002		MOVL	Save nothing FLAGS, RO	0656
7E 08	000000006	60	08	03 AC	1 0000A		BBC BBC MOVB	#2, (RO), 108 #3, (RO), 1\$ BLOCK_COUNT, SYSSGB_DFMBC	0659 0661
08	000000006	60	18	OE I	1 00016	18:	-	41/ 7001 30	0663
48	00000000	60	10	04	1 00022	2\$:	BBC	NET_BLOCK_COUNT, SYS\$GB_DFNBC	0667
Vo	00000000G	00	00	06 AC 60	0002A	38:	BBC BBC MOVB TSTB BGEQ	#6, (RO) 38 BUFFER_COUNT, SYS\$GB_DFMBFSDK (RO)	0671 0672
	000000006	00	0¢	AC	0 00036		MOVB	4\$ BUFFER_COUNT, SYS\$GB_DFMBFSMT	0673
08	000000006	00 60	00 01 00	AC OC	0003E 00042	48: 58:	MOVB BLBC MOVB BBC	1(RO) 5\$ BUFFER COUNT SYS\$GB_DFMBFSUR #12. (RO), 6\$	0674 0675 0676

VAX-11 Bliss-32 V4.0-742 [CLIUTL.SRC]SETMISC.B32:1

SETMISC VO4-000	16-Sep-1984 00:43:54
	00000000G 00 0C AC 90 0004E BBC #11, (R0), 7\$  00000000G 00 0C AC 90 0005A MOVB BUFFER COUNT, SYS\$GB_DFMBFIDX 067  00000000G 00 0C AC 90 0005A MOVB BUFFER COUNT, SYS\$GB_DFMBFIDX 068  00000000G 00 0C AC 90 00066 MOVB BUFFER COUNT, SYS\$GB_DFMBFREL 068  00000000G 00 10 AC 90 00072 MOVB BUFFER COUNT, SYS\$GB_DFMBFREL 068  00000000G 00 10 AC 90 00072 MOVB BUFFER COUNT, SYS\$GB_RMSPROLOG 068  00000000G 00 10 AC 90 00072 MOVB PROLOG, SYS\$GB_RMSPROLOG 068  00000000G 00 14 AC 80 0007E MOVB EXTEND, SYS\$GW_RMSEXTEND 068  00000000G 00 14 AC 80 0007E MOVW EXTEND, SYS\$GW_RMSEXTEND 068  00000000G 00 08 AC 90 0008C MOVB BLOCK_COUNT, PIO\$GB_DFMBC 069  00000000G 00 18 AC 90 00098 MOVB NET_BLOCK_COUNT, PIO\$GB_DFMBC 069  00000000G 00 18 AC 90 00098 MOVB NET_BLOCK_COUNT, PIO\$GB_DFMBC 069  00000000G 00 18 AC 90 00098 MOVB NET_BLOCK_COUNT, PIO\$GB_DFMBC 069  00000000G 00 18 AC 90 00098 MOVB NET_BLOCK_COUNT, PIO\$GB_DFMBC 069  00000000G 00 18 AC 90 00098 MOVB NET_BLOCK_COUNT, PIO\$GB_DFMBC 069  00000000G 00 18 AC 90 00098 MOVB NET_BLOCK_COUNT, PIO\$GB_DFMBC 069  00000000G 00 18 AC 90 00098 MOVB NET_BLOCK_COUNT, PIO\$GB_DFMBC 069  00000000G 00 18 AC 90 00098 MOVB NET_BLOCK_COUNT, PIO\$GB_DFMBC 069  00000000G 00 18 AC 90 00098 MOVB NET_BLOCK_COUNT, PIO\$GB_DFMBC 069  00000000G 00 18 AC 90 00098 MOVB NET_BLOCK_COUNT, PIO\$GB_DFMBC 069  00000000G 00 18 AC 90 00098 MOVB NET_BLOCK_COUNT, PIO\$GB_DFMBC 069  00000000G 00 18 AC 90 00098 MOVB NET_BLOCK_COUNT, PIO\$GB_DFMBC 069  00000000G 00 00 00 00 00 00 00 00 00000 00
	00000000G 00 0C AC 90 000A8 MOVB BUFFER_COUNT, PIOSGB_DFMBFSDK 070 08 18 000B2 BGEQ 14\$ 070 0000000G 00 0C AC 90 000B4 MOVB BUFFER_COUNT, PIOSGB_DFMBFSMT 070 00000000G 00 0C AC 90 000C0 MOVB BUFFER_COUNT, PIOSGB_DFMBFSUR 070 0000000G 00 0C AC 90 000CC MOVB BUFFER_COUNT, PIOSGB_DFMBFSUR 070 070 070 070 070 070 070 070 070 07

; Routine Size: 264 bytes, Routine Base: \$CODE\$ + 03B6

VAX-11 Bliss-32 V4.0-742 [CLIUTL.SRC]SETMISC.B32:1

```
GLOBAL ROUTINE setSworking_set : NOVALUE = BEGIN
This routine implements the SET WORKING SSET command. The values and qualifiers are collected and checked, then a kernel call is made to
                             actually set the parameters.
                             Inputs:
                                    None. The CLI is interrogated.
                             Outputs:
                                    None. The working set defaults are changed.
                          LOCAL
                               status.
Limit,
                                                                                          Status return
                                                                                          Working set Limit
                                quota.
                                                                                          Working set quota
                                                                                         Working set quota
Working set extent
And the real values that
were specified by the
user before juggling
Minimum guaranteed working set
Authorized limit
Authorized extent
flags longword
General descriptor
Argument list for kernel call
                                extent
                               specified_limit,
                               specified quota, specified extent,
                               min_wset
auth_limit,
                               auth_extent,
flags: $BBLOCK[4] INITIAL(0),
                               desc : $BBLOCK[dsc$c_s_bln],
arglist : VECTOR[5];
                                                                                         Argument list for kernel call
                          BIND
                               phd = .ctl$gl_phd : $BBLOCK;
                                                                                       ! Point to this process's PHD
                             Initialize the descriptor, and calculate some quantities that are handy to
                             have. These are the authorized working set limit, the minimum working set,
                             and the authorized extend limit.
                          Get the /[NO]ADJUST and /[NO]LOG flags.
                             If the /ADJUST qualifier is present explicitly, then set that flag, and in the process note whether it was /ADJUST or /NOADJUST.
                          Get the /ADJ or /NOADJ but only use it if
                          status = flags[set$v_log]
= clispresent(%ASCID 'LOG');
                                                                                       ! Same for /LOG
                          flags[set$v_explog] = (.status NEQ clis_absent);
```

```
790
791
792
793
794
795
796
797
798
801
802
803
804
805
806
807
808
                                                                                                                                                        0794
0795
0796
0797
0798
0799
0800
0801
0802
0803
0804
0805
0806
0807
 811
812
813
814
815
816
817
0810
0811
0812
0813
0814
0815
0816
0817
0818
0819
0820
0821
0823
```

```
If a new limit is given, then check that the value is valid, and
  then apply some common sense bounds checking. If no new limit was set,
  compute the current one.
if (flags[set$v_limit] = cli$get_value(%ASCID 'LIMIT', desc))
THEN
                                                  ! Convert from ASCII to number
    IF NOT lib&cvt_dtb(.desc[dsc$w_length], .desc[dsc$a_pointer], specified_limit)
    THEN
                                                  ! If an error, signal it
        BEGIN
        SIGNAL(set$_invquaval, 2, desc, %ASCID 'LIMIT');
        RETURN:
        END
    ELSE
                                                    If the value is good, check
that it is within reasonable
        BEGIN
        LOCAL temp: | bounds. | temp = MAX(.min_wset, .specified_limit); No lower than the minimum,
        limit = MIN(.temp, .auth_limit);
                                                    No higher than the authorized
        END:
    END
  If no new limit was given, compute the current one.
If a new value given, validate it and make some common sense
  range checks
IF (flags[set$v_quota] = cli$get_value(%ASCID 'QUOTA', desc))
THEN
                                                  ! Convert from ASCII to number
    THEN
                                                  ! If an error, signal it
        BEGIN
SIGNAL(set$_invquaval, 2, desc, %ASCID 'QUOTA');
        RETURN:
        END
    ELSE
                                                    Otherwise make some
        BEGIN
                                                    bounds checks
        LOCAL temp;
temp = MAX(.min_wset, .specified_quota);! No lower than the minimum,
! No higher than the authorized
        END:
    END
  If no new quota given, compute the current one.
```

```
844901234567890123456678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123
                                                                      0872
0873
0874
0875
0876
0877
                                                                      0878
0879
                                                                       0880
                                                                       0881
                                                                      0882
0883
0884
                                                                       0885
0886
0887
                                                                        0889
                                                                       0890
0891
0892
```

```
ELSE quota = specified quota = .phd[phd$w_wslist] + 1;
  If a new extent is given, validate and make the usual checks.
If (flags[set$v_extent] = cli$get_value(%ASCID 'EXTENT', desc))
THEN
                                                           ! Convert from ASCII to a number
    THEN
                                                           ! If an error, signal it.
          SIGNAL(set$_invquaval, 2, desc, %ASCID 'EXTENT');
          RETURN;
          END
     ELSE
          BEGIN
                                                            ! Make some bounds checks
          LOCAL temp
          temp = MAX(.min_wset, .specified extent):! No lower than the minimum,
extent = MIN(.temp, .auth_extent); ! No higher than the authorized
          END:
     END
  If no new extent given, compute the current one.
ELSE extent = specified_extent
              = .phd[phd$w_wsextent] - .phd[phd$w_wslist] + 1;
  Now for some further consistency checking. The general rule is that
                   LIMIT < QUOTA < EXTENT
  Because LIMIT is what the working set is at image rundown,
            QUOTA is what a process is guaranteed it can grow to, and
  EXTENT is what it might grow to if there's extra memory around. In addition, the relative importance of the qualifiers is that EXTENT is relatively more important than QUOTA, which is more important than LIMIT.
  These are the general rules that govern the mess that follows.
  If all the EXTENT, QUOTA, and LIMIT were changed, or the EXTENT and QUOTA, or just the EXTENT, the EXTENT is taken as the most important, and the
  other two values get adjusted accordingly.
if (.flags[set$v_extent] AND .flags[set$v_quota])
OR (.flags[set$v_extent] AND NOT (.flags[set$v_quota] OR .flags[set$v_limit]))
THEN
     BEGIN
     quota = MIN(.extent, .quota);
                                                   QUOTA < EXTENT
                                                   and LIMIT < QUOTA
     limit = MIN(.quota, .limit);
     END
```

```
904
905
906
907
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909
910
                 If LIMIT and QUOTA were set only, or just QUOTA, then reset EXTENT and
                                juggle with the LIMIT.
                             ELSE IF .flags[set$v_quota]
THEN
                                  extent = MAX(.quota, .extent);
limit = MIN(.quota, .limit);
                                                                                       QUOTA < EXTENT
                                                                                    and LIMIT < QUOTA
                               If LIMIT and EXTENT only, then reset LIMIT, then juggle QUOTA.
ELSE IF (.flags[set$v_limit] AND .flags[set$v_extent])
                             THEN
                                  BEGIN
                                  limit = MIN(.extent, .limit);
quota = MAX(.limit, .quota);
                                                                                      Set LIMIT < EXTENT
LIMIT < QUOTA
QUOTA < EXTENT
                                  quota = MIN(.extent, .quota);
END
                               Finally, if only LIMIT was set, make sure that EXTENT is larger, and that QUOTA is larger.
                             ELSE IF .flags[setSv_limit]
                                  BEGIN
                                  extent = MAX(.limit, .extent);
                                                                                   ! LIMIT < EXTENT ! LIMIT < QUOTA
                                  quota = MAX(,limit, ,quota);
                               Call the kernel-mode routine that actually sets the parameters.
                            arglist[0] = 4:
arglist[1] = .limit;
arglist[2] = .quota;
arglist[3] = .extent;
arglist[4] = flags;
If NOT (status = $CMKRNL(ROUTIN = setwrkknl,
                                                               ARGLST = arglist))
                                  BEGIN
SIGNAL(.status);
RETURN;
                               Now for how much to tell the user. If something was changed, and /NOLOG wasn't specified, then signal the new values. Also, if /LOG was specified, signal the new values.
                            If user specified /LOG or if any of the values
                                                                                                 were juggled.
                                                                                                 and the user didn't say /NOLOG
960
```

SETMISC VO4-000					C 13 16-Sep-1984 00:43:54 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:09:11 [CLIUTL.SRC]SETMISC.B32;1	Page 31 (10)
			55 51 50 53	01 A1 0E A6 57 74 A6 03 A140	9E 00045 3C 00049 C2 0004D 3C 00050 MOVZWL 14(R6), R1 3C 00050 MOVZWL 116(R6), R0 3E 00054 MOVZWL 116(R6), R0 3E 00059 PUSHL R9	0766
00	AE	01 00000000G	00 06 58	59 01 50 50	DD 00059 PUSHL R9 FB 0005B CALLS #1, CLISPRESENT FO 00062 INSV RO, #6, #1, FLAGS DO 00068 MOVL RO, STATUS D4 0006B CLRL RO	0775
		000000006	8F	50 58 02	D4 0006B CLRL R0 D1 0006D CMPL STATUS, #CLIS_ABSENT 13 00074 BEQL 1\$	0776
0C	AE AE	01 000000006	05 00 00 58	0C A9 01 50	13 00074 D6 00076 INCL R0 F0 00078 18: INSV R0, #5, #1, FLAGS 9F 0007E PUSHAB P.ABW FB 00081 CALLS #1, CLISPRESENT F0 00088 INSV R0, #0, #1, FLAGS	0779
		00000000	58 8F	50 50 58	FO 00088 INSV RO, #0, #1, FLAGS DO 0008E MOVL RO, STATUS D4 00091 CLRL RO D1 00093 CMPL STATUS, #CLI\$_ABSENT	0780
ОС	AE	01	01 6A	02 50 50 24 AE 10 A9	13 0009A D6 0009C INCL R0 F0 0009E 2\$: INSV R0. #1. #1. FLAGS PUSHAB DESC PUSHAB P.ABY FB 000AA CALLS #2. CLIST VALUE FO 000AD INSV R0. #2. #1. FLAGS E9 000B3 BLBC R0. 6\$ DD 000B6 PUSHL SP	0788
OC	AE	01	6A 02 2C 7E 6B 05	0C A9 050 500 500 500 500 500 500 500 500 50	3C 000BB MOVZWL DESC(SP)	0791 0792 0791
			05		FB 000BF CALLS #3, LIB\$CVT_DTB E8 000C2 BLBS R0, 3\$ 9F 000C5 PUSHAB P.ACA 11 000C8 BRB 8\$	0796
			50 6E	53 50	DO 000CA 38: MOVL MIN_WSET, RO D1 000CD CMPL RO, SPECIFIED_LIMIT	0802
			50 52	4C 53 03 6E 03 50 07 50 07 51 51	18 00000 D0 00002 MOVL SPECIFIED LIMIT, RO D1 00005 48: CMPL RO, AUTH_EIMIT 15 00008 BLEQ 5\$	0803
			50 54	52 50 0F	DO 000DA MOVL AUTH LIMIT, RO DO 000DD 58: MOVL RO, CIMIT	0788
			51 51	1A A6 57 51	11 000E0 3C 000E2 6\$: MOVZWL 26(R6), R1 C2 000E6 SUBL 2 R7, R1 D6 000E9 INCL R1	0788 0810
			6E 54	\$1 51 24 AE 3C A9	DO OOOEE MOVE RI, LIMIT  9F 000F1 7\$: PUSHAB DESC  PUSHAB P.ACC	0818
OC	AE	01	6A 03 2F	02 50 50	FB 000F7 F0 000FA INSV R0, N3, N1, FLAGS E9 00100 BLBC R0, 12\$ PUSHAB SPECIFIED QUOTA	6 6
			7E	04 AE 2C AE 2C AE	PUSHAB SPECIFIED_QUOTA DD 00105 PUSHL DESC+4 3C 00109 MOVZWL DESC, -(SP)	0821 0822 0821

SETMISC V04-000					0 13 16-Sep-1 14-Sep-1	984 00:43:54 984 12:09:11		Page 32
		65 05	40	03 50 A9	FB 0010D E8 00110 9F 00113	CALLS #3 BLBS RO PUSHAB P. BRB 14 MOVL MI CMPL RO	ACE	0826
		04 AE		53	11 00116 85: 00 00118 95: 01 00118	BRB 14 MOVL MI CMPL RO	N_WSET, RO SPECIFIED_QUOTA	0832
		50 52	04	04 AE 50	18 0011F 00 00121 01 00125 108: 15 00128	BGEQ 10 MOVL SP CMPL RO BLEQ 11 MOVL AL MOVL RO	ECIFIED QUOTA, RO	0833
		50		50	DO 0012A DO 0012D 11\$:	MOVL AU	TH LIMIT, RO	
		52 52	18	50 0D A6 57	11 00130 3C 00132 12\$: C2 00136 D6 00139	MOVZUL 24	(R6), R2	0818 0840
		04 AE	24 50	52 AE	00 0013B 9F 0013F 13\$:	MOVL R2 PUSHAB DE PUSHAB P.	SPECIFIED_QUOTA SC ACG	0847
OC AE	01	6A 04 40		02 50	FB 00145 F0 00148	CALLS #2 INSV RO	CLISGET_VALUE , M4, M1, FLAGS	
		40	08 20 20	A9 050 AE 050 AE 050 A9	E9 0014E 9F 00151	PUSHAB SP	PECIFIED_EXTENT	0850 0851 0850
		7E 6E 16	ŽČ	AE 03	00 00154 3C 00157 FB 0015B	MOVZWL DE	SC(SP) , LIB\$CVT_DTB	0850
		16	6C 28	A9 AE	E8 0015E 9F 00161 9F 00164 148: DD 00167 DD 00169 FB 0016F	CALLS #2 INSV RO BLBC RO PUSHAB SP PUSHL DE MOVZWL DE CALLS #3 BLBS RO PUSHAB P. PUSHAB DE PUSHAB DE PUSHAB DE PUSHAB DE PUSHL #2 CALLS #4	SPECIFIED_QUOTA  SC ACG CLI\$GET_VALUE , #4, #1, FLAGS 18\$ ÉCIFIED_EXTENT SC+4 SC, -(SP) , LIB\$CVT_DTB 15\$ ACI SC	085
	000	00000G 00	0077132A	AE 02 8F 04	DD 00167 DD 00169 FB 0016F	PUSHL M7 CALLS M4	803690 . LIB\$SIGNAL	
		08 AE		53	04 00176	RET CMPL R3	S. SPECIFIED EXTENT	0854 0861
		53 50 55	08	04 AE 53	18 0017B D0 0017D D0 00181 16\$:	BGEQ 16 MOVL SP MOVL R3	ECIFIED_EXTENT, R3	
				50 03	D1 00184 15 00187	CMPL ROBLEQ 17	ECIFIED_EXTENT, R3 TEMP AUTH_EXTENT	0862
		50		50	DO 00186 175: 11 0018F	MOVL ROBRB 19	EXTENT, RO	0847
		56 56	16	A6 57	3C 00191 18\$: C2 00195	MOVZWL 22 SUBL2 R7 INCL R6 MOVL R6	(R6), R6 , R6	0847 0869
		08 AE		56 56	C2 00195 D6 00198 D0 0019A D0 0019E E1 001A1 19\$: E0 001A6 E1 001AB	MOVL R6	. SPECIFIED_EXTENT	
	29 0F	OC AE		04	E1 001A1 19\$: E0 001A6	BBC #4 BBS #3	FLAGS, 228 FLAGS, 208	0888
	1F 15	08 AE 53 0C AE 0C AE 0C AE 0C AE 50		56 04 03 04 03	E0 00180 E0 00185	BBC #4 BBS #3 BBS #2	FLAGS, 228 FLAGS, 208 FLAGS, 228 FLAGS, 238 FLAGS, 228	0889
		50 52		53	DO 00184 20%:	MOVL EX	(R6). R6 . R6 . SPECIFIED_EXTENT . EXTENT . FLAGS. 228 . FLAGS. 228 . FLAGS. 238 . FLAGS. 228	0892
		50 52		03 52 50	D1 001BD 15 001C0 D0 001C2 D0 001C5 218:	BLEQ 21 MOVL QU MOVL RO	OTA, RO QUOTA	•

SET	MI	SC
V04	-0	00

					16- 14-	13 -Sep-1 -Sep-1	1984 00:43 1984 12:09	3:54 VAX-11 Bliss-32 V4.0-742 0:11 [CLIUTL.SRC]SETMISC.B32:1	Page 33 (10)
		54		50 10 1E	D1 001C8		CMPL	RG LIMIT	: 0893
16	00	AE 50 53			11 001CD E1 001CF D0 001D4 D1 001D7	228:	CMPL BGTR BRB BBC MOVL CMPL	W3, FLAGS, 275 QUOTA, RO	0899 0902
		50 53 54		250 250 250 250 250 250	DO 001E2 D1 001E5	248:	CMPL BGEQ MOVL MOVL CMPL	RO EXTENT 24\$ EXTENT, RO RO, EXTENT QUOTA, RO RO, LIMIT 26\$	0903
		50 54		03 54	15 001E8 00 001EA	25 <b>\$</b> :	MOVL	LIMIT, RO	
49	00			4E	DO 001EA 2 DO 001ED 2 11 001F0	27\$:	MOVL BRB BBC	RO, LIMIT 34\$ #2, FLAGS, 34\$	0899 0908
23	00	AE SO 54		04	E1 001F2 2 E1 001F7 D0 001FC		BBC BBC MOVL	#4. FLAGS. 30\$ EXTENT. RO RO, LIMIT	0911
		54		50	D1 001FF 15 00202		CMPL	RO LIMIT	
		50 54 52		54 50 50	00 00204	28\$:	CMPL BLEQ MOVL MOVL CMPL BGEQ	LIMIT, RO RO, LIMIT RO, QUOTA 29\$	0912
		50 52 50 52		32077020740H2470740072070700H2407	DO 0020F DO 00212 2 DO 00215 D1 00218 14 0021B	29\$:	MOVL MOVL MOVL CMPL BGTR	QUOTA, RO RO, QUOTA EXTENT, RO RO, QUOTA 32\$ 33\$	0913
10	00	AE 50 53		1E 02 54 50	11 0021D E1 0021F 3 D0 00224 D1 00227	30\$:	BRB BBC MOVL CMPL	338 #2. FLAGS, 348 LIMIT, RO RO, EXTENT 318	0919 0922
		50 53 50 52		055040320442EF208881	00 0022F 3 00 00232 01 00235	318:	BGEQ MOVL MOVL CMPL BGEQ	EXTENT, RO RO, EXTENT LIMIT, RO RO, QUOTA	0923
		50		25 25	18 00238 00 0023A 00 0023D	28:	MOAL	QUOTA, RO	
	10	50 52 AE AE AE		04	00 00230	28 38 48	MOVL	#4, ARGLIST	0929
	10 14 18 20	AE	00	52	7D 00248		MOVL MOVQ MOVAB PUSHAB	QUOTA, ARGLIST+8	0929 0930 0931 0933 0935
	20	AE	0C 10 00000000V	AE	9F 00251		PUSHAB	ARGLIST	0935
	0000000G	00 58 0A	00000000	50	DO 00240 3 DO 00244 7D 00248 9E 0024C 9F 00251 9F 00254 FB 0025A DO 00261		PUSHAB	#2, SYSSCMKRNL	•
		0A		58	E8 00264 DD 00267		CALLS MOVL BLBS PUSHL	QUOTA, RO RO, QUOTA #4, ARGLIST LIMIT, ARGLIST+4 QUOTA, ARGLIST+8 FLAGS, ARGLIST+16 ARGLIST SETWRKKNL #2, SYS\$CMKRNL RO, STATUS STATUS, 35\$ STATUS #1, LIB\$SIGNAL	0938
	0000000G	00		01	FB 00269 04 00270		CALLS		0937
04	00	AE 1A 54	OC	01	F1 00271 3	35\$:	BBC	#1 FLAGS 36\$ FLAGS 38\$ SPECIFIED_LIMIT, LIMIT 37\$	0947
		54	OC.	O1 AE 6E OC	E1 00271 3 E8 00276 D1 0027A 3 12 0027D	568:	CMPL BNEQ	SPECIFIED_LIMIT, LIMIT	0948

SETMISC V04-000						1	f 13 6-Sep- 4-Sep-	1984 00:4 1984 12:0	3:54 9:11	VAX-11 Bliss-32 V4.0-742 [CLIUTL.SRC]SETMISC.B32;1	Page 34 (10)
	04	0C 000000G	52 53 AE 13	AE 06 AE 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	D11121131E11E9BBDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	0027F 00283 00285 00289 00290 00294 00296 00298 00298	37\$: 38\$:	CMPL BNEQ CMPL BEQL BBC PUSHR PUSHL PUSHL PUSHL CALLS RET	SPECI 398 #1 FLAGS	IFIED_QUOTA, QUOTA  IFIED_EXTENT, EXTENT  FLAGS, 388  S. 398  R2,R3> I  NEWLIMS LIB\$SIGNAL	0949 0950 0951 0954 0953 0952

; Routine Size: 680 bytes, Routine Base: \$CODE\$ + 04BE

```
6 13
16-Sep-1984 00:43:54
14-Sep-1984 12:09:11
SETMISC
VO4-000
                                                                                                                                VAX-11 Bliss-32 V4.0-742
[CLIUTL.SRC]SETMISC.B32;1
   ROUTINE setwrkknl (limit, quota, extent, flags) =
BEGIN
                                   !++
                                      This is the kernel mode routine that actually sets the working set parameters
                                      Inputs:
                                               LIMIT - address of ws limit
                                               QUOTA - address of ws quota
                                               EXTENT - address of ws extent FLAGS - address of flags longword
                                      Outputs:
                                               None. The working set parameters are reset.
                                   MAP flags : REF $BBLOCK;
                                         phd = .ctl$gl_phd : $BBLOCK;
                                                                                                        ! Point to this process's PHD
                                      Set the values. Note that all these values are biased by the working set list minus one. Memory management is the sort of thing that causes one to long for the days of the abacus.
                                   phd[phd$w_dfwscnt] = .phd[phd$w_wslist] - 1 + .limit;
phd[phd$w_wsquota] = .phd[phd$w_wslist] - 1 + .quota;
phd[phd$w_wsextent] = .phd[phd$w_wslist] - 1 + .extent;
                                      If the ADJUST qualifier was specified, do it.
                                   IF .flags[set$v_expadj]
                                   THEN
                                         BEGIN
                                        pcb = .ctl$gl_pcb : $BBLOCK;
pcb[pcb$v_disaws] = NOT .flags[set$v_adjust];
END;
                                         BIND
                        1001
                                   RETURN 1:
   1012
                        1002
                                   END:
                                                                                0000 00000 SETWRKKNL:
                                                                                                            WORD
                                                             0000000G
```

```
Save nothing
CTL$GL_PHD, RO
8(RO), R1
LIMIT, R1
#1, R1, 26(RO)
8(RO), R1
QUOTA, R1
                                                                     00002
00009
0000D
00011
                                                                                                                   MOVL
MOVZWL
ADDL2
SUBW3
50
51
51
51
51
                                              00
AC
01
AC
                                                           D000300
                             08
                             08
                                                                      00016
                                                                                                                    MOVZWL
                                                                      0001A
```

0959 0979 0986

0987

14

SETMISC VO4-000							H 13 16-Sep-19 14-Sep-19	984 00:43:5 984 12:09:1	4 VAX-11 Bliss-32 V4.0-742 1 CCLIUTL.SRCJSETMISC.B32;	1	Page 36 (11)
		18	AO		51 08	01 A0	A3 0001E 3C 00023	SUBW3 #	1 R1 24(R0)		: 0988
		16	16 A0 1	10	51 08 51 00 51 80	AC 01 05	CO 00027 A3 0002B E1 00030	7 ADDL2 EXT B SUBW3 #1 0 BBC #5	L 8(RO), R1 EXTENT, R1 #1, R1, 22(RO) #5, aflags, 1\$		•
	51	10	BC		50 00000000G	00	EF 0003C	MOVL C	TLSGL_PCB, RO 6, #1, aflags, R1		0993 0997 0998
27	AO		01		50	51 01	FO 00045 DO 0004B 1\$:	SUBW3 MOVZWL 8 ADDL2 EX SUBW3 MOVL COME EXTZV MOVL RET	6. #1. aFLAGS, R1 1. R1 1. #0, #1, 39(R0) 1, R0	p-1-	1001

; Routine Size: 79 bytes, Routine Base: \$CODE\$ + 0766

SETMISC VO4-000 VAX-11 Bliss-32 V4.0-742 [CLIUTL.SRC]SETMISC.B32;1 : 1014 1 END 0 ELUDOM .EXTRN LIBSSIGNAL, LIBSSTOP PSECT SUMMARY Name Bytes Attributes SPLITS SCODES NOVEC.NOWRT. RD .NOEXE.NOSHR. LCL. REL. CON.NOPIC.ALIGN(2) NOVEC.NOWRT, RD . EXE.NOSHR. LCL. REL. CON.NOPIC.ALIGN(2) Library Statistics ----- Symbols -----Pages Processing File Loaded Percent Total Mapped Time \_\$255\$DUA28:[SYSLIB]LIB.L32:1 18619 1000 00:01.8 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:SETMISC/OBJ=OBJ\$:SETMISC MSRC\$:SETMISC/UPDATE=(ENH\$:SETMISC) ; Size: 1973 code ; Run Time: 00:31.9 ; Elapsed Time: 01:46.2 ; Lines/CPU Min: 1886 ; Lexemes/CPU-Min: 18037 ; Memory Used: 217 pages ; Compilation Complete 1973 code + 560 data bytes 00:31.9 01:46.2

0053 AH-BT13A-SE

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